

Title (en)  
ELECTROLUMINESCENT BACKLIT DEVICES

Title (de)  
ELEKTROLUMINESZIERENDE HINTERGRUNDBELEUCHTETE ANORDNUNGEN

Title (fr)  
DISPOSITIFS ELECTROLUMINESCENTS A ECLAIRAGE ARRIERE

Publication  
**EP 0938737 B1 20020612 (EN)**

Application  
**EP 97948404 A 19971112**

Priority  
• US 9721200 W 19971112  
• US 74784696 A 19961113

Abstract (en)  
[origin: WO9821733A1] An electroluminescent backlit device (10) utilizing light-emitting polymers (LEP) is disclosed. A sandwich (130) of LEP material (40) and two electrical conductive materials (130) are used to provide back lighting for a keypad (25) or display. The electrical conductive layers (50, 60) are etched to form channels (100) which provide current to and excite the LEP material (40) to produce light at predetermined points. The etchings are directed around existing electrical contacts (35) to facilitate normal operation of the underlying host system, such as a cellular telephone.

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**H01H 13/70**; **H04M 1/22**

IPC 8 full level  
**H01H 13/02** (2006.01); **H01H 13/702** (2006.01); **H04M 1/22** (2006.01)

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